

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2004/000969

## A. CLASSIFICATION OF SUBJECT MATTER

H04L9/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED G02B.H04L

Minimum documentation searched (classification system followed by classification symbols)

G02B26/08,H04L9/08,9/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CHINA JOURNAL

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

quantum w cryptogr+, quantum w key w distribut+, polariz+, polaris+

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US6529601B1 (Paul D. Townsend, Ipswich (GB);04.Mar.2003,column4,line30 to column7,line50,Fig.1 to 4)	1、 2、 5—10
Y		4
X	US6438234B1(Nicolas Gisin, Geneva(CH) et al;20.Aug.2002,column2,line32 to column6,line 61,Fig.1 to 3)	1、 3
X	US6188768B1(Donald Stimson Bethume, San Jose et al;13.Feb.2001,column3, line42 to column4,line35,Fig.1)	1
Y		4
X	CN1135820A((MINA) UK SEC FOR DEFENCE; (MINA) UK SEC STATE OR DEFENCE;12.Nov. 1996, page11, the last line to page13, the last	1
A	US5307410A(Charles H. Bennett, Croton-On-Hudson, N.Y.;26.Apr.1994,see the whole document)	1-12

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"document member of the same patent family

Date of the actual completion of the international search

21.Apr.2005 (21.04.2005)

Date of mailing of the international search report

11 · MAY 2005 (11 · 05 · 2005)

Name and mailing address of the ISA/CN

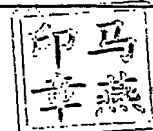
The State Intellectual Property Office, the P.R.China  
6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China  
100088

Facsimile No. 86-10-62019451

Authorized officer

MA, Yan

Telephone No. (86-10)62085825



**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.

PCT/CN 2004/000969

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
US6529601B1	2003.03.04	WO9744936A1	1997.11.27
		AU2906897A	1997.12.09
		EP0972373A1	2000.01.19
		JP2000511016T	2000.08.22
		CA2254767C	2002.04.16
US6438234B1	2002.08.20	CA2265553A	1998.03.12
		WO9810560A1	1998.03.12
		AU4206897A	1998.03.26
		EP0923828A	1999.06.23
		CZ9900477A3	1999.08.11
		JP2000517499TT	2000.12.26
		EP0923828B1	2004.01.28
		AT258733T	2004.02.15
		DE69727388EE	2004.03.04
		DK923828TT	2004.05.24
		ES2215238TT3	2004.10.01
US6188768B1	2001.02.13	None	
CN1135820A	1996.11.13	WO9510907A1	1995.04.20
		CA2173481A	1995.04.20
		EP0722640A1	1996.07.24
		GB2297448A	1996.07.31
		JP9505184TT	1997.05.20
		GB2297448B	1998.06.24
		EP0722640B1	1998.11.25
		DE69414874EE	1999.01.07
		ES2123825TT3	1999.01.16
		DE69414874TT	1999.05.12
		US6028935A	2000.02.22
US5307410A	1994.04.26	None	